

FORM PTO-1449	U.S. Department of Commerce Patent & Trademark Office	Attorney Docket No. 381NP/51230	Serial No. [NEW]
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant: Shinya IGARASHI et al.	
		Filing Date May 31, 2002	Group (Not yet assigned)
May 31, 2002			

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS								
Examiner Initial		Country	Document Number	Date	Class	Sub- Class	TRANSLATION	
							Yes	No
	AK	Japan	07-317584	5/1995				
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						

EXAMINER

Jewel V. Thompson

DATE CONSIDERED

4/19/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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U.S. Department of Commerce
Patent & Trademark OfficeAttorney Docket No.
381NP/51230Serial No.
10/157,984

Applicant: Shinya IGARASHI, et al.

**INFORMATION DISCLOSURE
STATEMENT**
(Use several sheets if necessary)Filing Date
May 31, 2002

Group

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
9/1	AA	4565091	01/1986	Ito, et al.			
	AB	4579098	04/1986	Mattes, et al.			
	AC	4771632	09/1988	Kubo			
9/1	AD	4759333	07/1988	Shimomura, et al.			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	TRANSLATION	
							Yes	No
9/1	AK	58087421	05/1983	Japan			Abstract	
9/1	AL	63184018	07/1988	Japan			Abstract	
	A							
	M							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

9/1	AQ	Search Report					
	AR						
	AS						

EXAMINER Jewel Thompson DATE CONSIDERED 4/19/04

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